



Energy-efficient lighting for industrial and commercial applications

Greenperform Highbay G2

GreenPerform LED Highbay luminaire is designed to replace traditional up to 400W HID Highbays. This advanced lighting system can deliver up to 77% energy savings. The system delivers simple, point to point replacement of up to 400W HID Highbays with three easy installation methods. The unique flat design means you have the flexibility to install by hook, pendant or bracket. GreenPerform LED Highbay will also reduce downtime. In the event of a power failure they turn on instantly, compared to the slower warm up of traditional HID lamps. They provide exceptionally high-performance in a range of applications. There are three beam shapes to choose from and the high-rack optics are engineered to illuminate vertical planes with exceptionally high accuracy

Benefits

- Solid die-cast housing design ensures long fixture lifetime
- Energy efficient
- Application flexibility (hook/pendant/bracket)
- Application flexibility (multiple beam)

Features

- Energy savings up to 77% compared to HID systems
- Long lifetime
- Comfortable light with low glare ratings
- Unique flat design for various mounting
- Wide Beam, Narrow Beam & High Rack Optic Beam

Application

- General Industry Application
- High Rack Warehouse

Greenperform Highbay G2

Versions



BY687P/BY688P/BY689P

Application Conditions

Ambient temperature range -25 to +45 °C

Approval and Application

Mech. impact protection code IK07

Ingress protection code IP65

General Information

CE mark -

Protection class IEC Safety class I

Driver included Yes

ENEC mark -

Flammability mark -

Gear -

Glow-wire test Temperature 650 °C, duration 30 s

Light source replaceable No

Number of gear units 1 unit

UL mark -

Initial Performance (IEC Compliant)

Initial chromaticity -

Init. Color Rendering Index 85

Luminous flux tolerance +/-7.5%

Application Conditions

Order Code	Full Product Name	Maximum dim level
911401570511	BY689P LED100 L3000/CW PSU S-WB PC	Not applicable
911401570611	BY689P LED100 L3000/CW PSU S-NB PC	Not applicable
911401571111	BY688P LED160 L3000/CW PSU S-WB PC	Not applicable
911401571211	BY688P LED160 L3000/CW PSU S-NB PC	Not applicable
911401571811	BY687P LED240 L3000/CW PSR S-WB PC	1% (depends on dimmer, ELV)
911401571911	BY687P LED200 L3000/CW PSR S-HRO PC	1% (depends on dimmer, ELV)
911401572511	BY687P LED240 L3000/CW PSR S-NB PC	1% (depends on dimmer, ELV)
911401572711	BY687P LED200 L3000/CW PSR S-WB PC	1% (depends on dimmer, ELV)
911401573211	BY688P LED140/NW PSU S-HRO	Not applicable
911401573311	BY689P LED90/CW PSU S-HRO	Not applicable
911401573511	BY688P LED 140/NW PSD S-HRO	1% (depends on dimmer, ELV)

Controls and Dimming

Order Code	Full Product Name	Dimmable
911401570511	BY689P LED100 L3000/CW PSU S-WB PC	No
911401570611	BY689P LED100 L3000/CW PSU S-NB PC	No
911401571111	BY688P LED160 L3000/CW PSU S-WB PC	No
911401571211	BY688P LED160 L3000/CW PSU S-NB PC	No
911401571811	BY687P LED240 L3000/CW PSR S-WB PC	Yes
911401571911	BY687P LED200 L3000/CW PSR S-HRO PC	Yes

Order Code	Full Product Name	Dimmable
911401572511	BY687P LED240 L3000/CW PSR S-NB PC	Yes
911401572711	BY687P LED200 L3000/CW PSR S-WB PC	Yes
911401573211	BY688P LED140/NW PSU S-HRO	No
911401573311	BY689P LED90/CW PSU S-HRO	No
911401573511	BY688P LED 140/NW PSD S-HRO	Yes

General Information

Greenperform Highbay G2

Order Code	Full Product Name	Optical cover/lens type	Lamp family code	Optic type
911401570511	BY689P LED100 L3000/CW PSU S-WB PC	Polycarbonate bowl/cover clear	LED110	Wide beam
911401570611	BY689P LED100 L3000/CW PSU S-NB PC	Polycarbonate bowl/cover clear	LED110	Narrow beam
911401571111	BY688P LED160 L3000/CW PSU S-WB PC	Polycarbonate bowl/cover clear	LED170	Wide beam
911401571211	BY688P LED160 L3000/CW PSU S-NB PC	Polycarbonate bowl/cover clear	LED170	Narrow beam
911401571811	BY687P LED240 L3000/CW PSR S-WB PC	Polycarbonate bowl/cover clear	-	Wide beam
911401571911	BY687P LED200 L3000/CW PSR S-HRO PC	Polycarbonate bowl/cover clear	-	High-rack optic

Order Code	Full Product Name	Optical cover/lens type	Lamp family code	Optic type
911401572511	BY687P LED240 L3000/CW PSR S-NB PC	Polycarbonate bowl/cover clear	-	Narrow beam
911401572711	BY687P LED200 L3000/CW PSR S-WB PC	Polycarbonate bowl/cover clear	-	Wide beam
911401573211	BY688P LED140/NW PSU S-HRO	Tempered glass	LED156	High-rack optic
911401573311	BY689P LED90/CW PSU S-HRO	Tempered glass	LED96	High-rack optic
911401573511	BY688P LED 140/NW PSD S-HRO	Tempered glass	LED156	High-rack optic

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Initial input power
911401570511	BY689P LED100 L3000/CW PSU S-WB PC	6500 K	90 W
911401570611	BY689P LED100 L3000/CW PSU S-NB PC	6500 K	90 W
911401571111	BY688P LED160 L3000/CW PSU S-WB PC	6500 K	145 W
911401571211	BY688P LED160 L3000/CW PSU S-NB PC	6500 K	145 W
911401571811	BY687P LED240 L3000/CW PSR S-WB PC	6500 K	230 W

Order Code	Full Product Name	Init. Corr. Color Temperature	Initial input power
911401571911	BY687P LED200 L3000/CW PSR S-HRO PC	6500 K	200 W
911401572511	BY687P LED240 L3000/CW PSR S-NB PC	6500 K	230 W
911401572711	BY687P LED200 L3000/CW PSR S-WB PC	6500 K	200 W
911401573211	BY688P LED140/NW PSU S-HRO	4000 K	130 W
911401573311	BY689P LED90/CW PSU S-HRO	6500 K	80 W
911401573511	BY688P LED 140/NW PSD S-HRO	4000 K	130 W

